

Amendments to the Claims

Please **rewrite** claims 1 and 6 as indicated.

1. (Currently Amended) A light source, comprising:
a lamp providing randomly polarized light;
an integrator for directing light from the lamp along an axis of
the integrator; and
a wire-grid polarizer disposed at a first end of the integrator;
wherein the wire-grid polarizer transmits light of a first
polarization and reflects light of a second polarization back to the lamp and
wherein the lamp rotates and reflects the polarization of the light of the second
polarization such that the reflected light is directed back to the integrator and
transmitted through the wire-grid polarizer.
2. (Original) The light source according to claim 1, wherein the wire-grid polarizer is disposed at a light input end of the integrator.
3. (Original) The light source according to claim 1, wherein the wire-grid polarizer is disposed at a light output end of the integrator.
4. (Original) The light source according to claim 1, wherein the lamp is a mercury arc lamp with an elliptical or a parabolic reflector.
5. (Original) The light source according to claim 1, wherein a second end of the integrator is free of any polarization means.

6. (Currently Amended) A Liquid Crystal on Silicon (LCOS) light engine, comprising:

a lamp providing randomly polarized light;
an integrator for directing light from the lamp along an axis of the integrator;

a wire-grid polarizer disposed at a first end of the integrator;
and

a Liquid Crystal on Silicon (LCOS) imager for modulating the polarized light from the integrator on a pixel-by-pixel basis responsive to a video signal to form a video image wherein the wire-grid polarizer transmits light of a first polarization ~~to transmit therethrough~~ and reflects light of ~~another~~ a second polarization back to the lamp and wherein the lamp ~~reflects and rotates and~~ reflects the polarization of the light of ~~another~~ the second polarization ~~and causes such that the~~ reflected light to transmit is directed back to the integrator and transmitted through the wire-grid polarizer.

7. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 6 further comprising a clean-up polarization means disposed between the wire-grid polarizer and the Liquid Crystal on Silicon (LCOS) imager.

8. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 7 wherein the clean-up polarization means is a polarizing beam splitter.

9. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 7 wherein the clean-up polarization means is a linear polarizer.

10. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 6, wherein the wire-grid polarizer is disposed at a light input end of the integrator.

11. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 6, wherein the wire-grid polarizer is disposed at a light output end of the integrator.

12. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 11, wherein the wire-grid polarizer is about the size of the output end of the integrator.

13. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 6, wherein the lamp is a mercury-arc lamp with an elliptical or a parabolic reflector.

14. (Original) The Liquid Crystal on Silicon (LCOS) light engine according to claim 6, wherein a second end of the integrator is free of any polarization means.